



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**EX-401**  
 Component  
**Front Right Final Drive**  
 Fluid  
**TDTO FLUID SAE 50 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

### ● Wear

All component wear rates are normal.

### ▲ Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0909400</b>	---	---
Sample Date	Client Info		<b>19 Mar 2024</b>	---	---
Machine Age	hrs	Client Info	<b>3784</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

WEAR METALS	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	<b>245</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>9</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>76</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

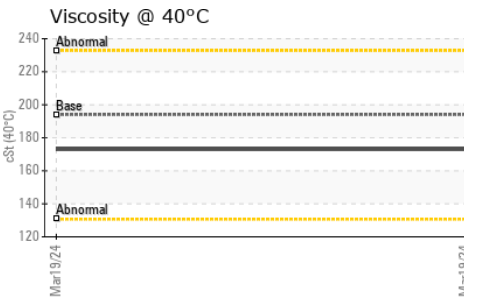
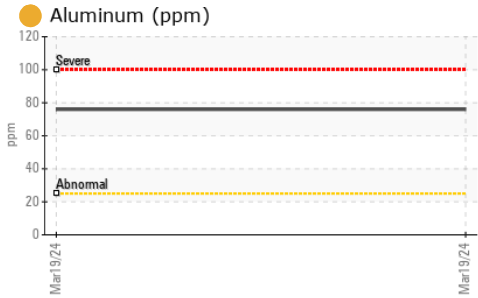
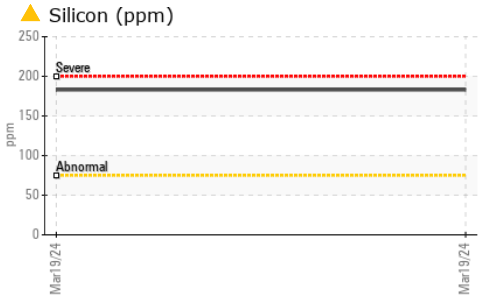
ADDITIVES	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	37	<b>2</b>	---	---
Barium	ppm	ASTM D5185m	7	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>3</b>	---	---
Magnesium	ppm	ASTM D5185m	40	<b>16</b>	---	---
Calcium	ppm	ASTM D5185m	2650	<b>2338</b>	---	---
Phosphorus	ppm	ASTM D5185m	1050	<b>884</b>	---	---
Zinc	ppm	ASTM D5185m	1075	<b>1057</b>	---	---
Sulfur	ppm	ASTM D5185m	5750	<b>7467</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>▲ 183</b>	---	---
Sodium	ppm	ASTM D5185m		<b>7</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	---	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---



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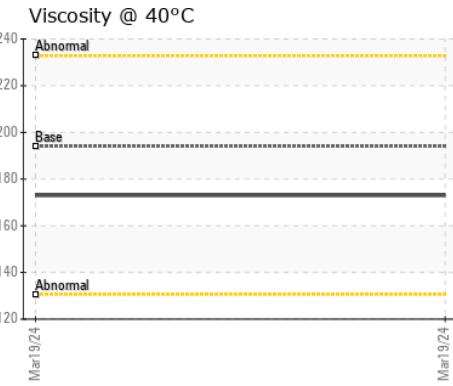
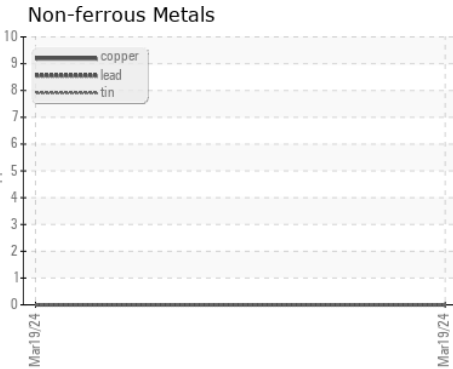
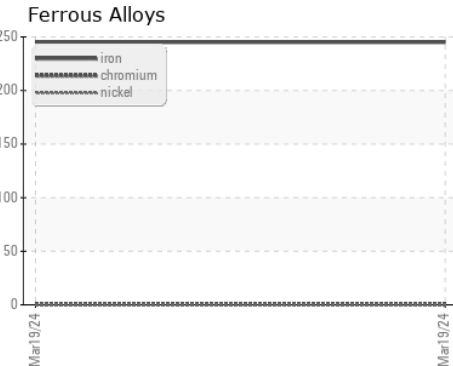
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	194	<b>173</b>	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0909400  
**Lab Number** : 06147782  
**Unique Number** : 10977860  
**Test Package** : FLEET

**Received** : 12 Apr 2024  
**Tested** : 15 Apr 2024  
**Diagnosed** : 16 Apr 2024 - Don Baldrige

**E.C. PACE CO.**  
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)